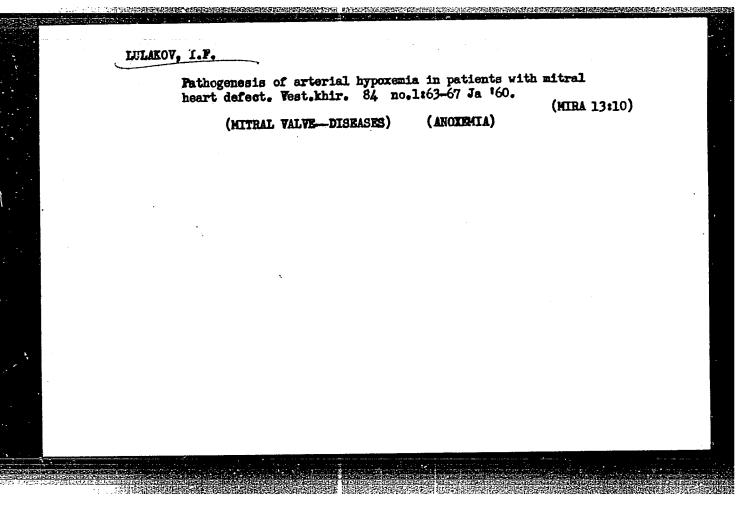
Radar observations of meteors at ... $\frac{5/831/62/000/008/001/016}{E032/E114}$

experiments was ± 20° (vertical plane) and ± 17° (horizontal plane). The meteor velocities were measured by a diffraction method in which the velocities relative to earth were determined from signal amplitude fluctuations. Altogether 300 000 reflections from sporadic meteors were recorded and average diurnal variations in the number of meteors were obtained throughout the period. Fig. 10 shows three typical distributions (number of meteors versus mean sidereal time). The velocity distributions were also determined as functions of time and are reproduced in the paper. Finally, the mass distribution of sporadic meteors was found from the lengths of the reflected pulses. It was found that

 $_{\rm N}$ \sim $_{\rm N_{\rm O}m}^{\rm s-1}$ where s \sim 2.

Owing to the large beamwidth, weak meteor showers could not be detected against the sporadic background. Brief details are given about the following showers which were the only reliably detected showers: Quadrantids, Lyrids, Geminids, η -Aquarids and Arietids (daytime). There are 16 figures.

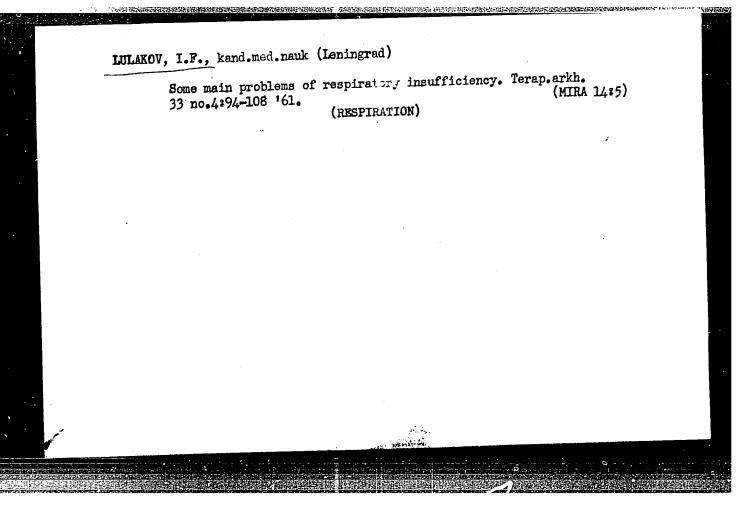
Card 2/3



LULAKOV, I.F., kand.med.nauk

Pathogenesis of arterial hypomenia in patients with hypertension. Terap, arkh. 33 no.1s14-18 161. (MIRL 14:9)

l. Is kafedry propodevtiki vnutrennikh bolesney (nach. - doystvitel'nyy chien AMM SSSR prof. M.N. Savitskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. (HYPERTENSION) (ANOMENIA)



POKORNY, V.; NOVAK, E.; LULAYOVA, S.

Analysis of expenses for drugs in the pediatric clinic in Mlada Boleslav from the viewpoint of effective drug therapy. Cesk. pediat. 18 no.6:530-535 Je '63.

1. Detske oddeleni OUNZ v Mlade Boleslavi, vedouci MUDr.

V. Pokorny.
(DRUG THERAPY) (PEDIATRICS)

(ECONOMICS, HOSPITAL)

CIA-RDP86-00513R001030820020-5" **APPROVED FOR RELEASE: 07/12/2001**

LULCZYJEW,

POLAND/Nuclear Physics - Nuclear Reactions

C-5

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 15150

: Dabrowski J., Lulczyjew B. : University of Warsaw, Poland : Note on the 12C(d,p) 13 C Reaction Near the 4 Mev Resonance. Author Inst

Title

Orig Pub: Acta Phys. polon., 1957, 16, No 3, 231-234

Abstract : The authors have calculated the differential cross section of the reaction C12 (c,p) C13 near resonance at 4 Mev. The fornula proposed by Thomas (Referat Zhur Fizika, 1958, No 3, 5487) is used. No account was taken in the calculation of the Coulonb scattering and of the potential scattering. It was assumed that the particles participating in the formation of the compound nucleus have the following values of nomenta: $f_d = 2$, $f_p = 1$, and $f_n = 1$. The possible contribution of the momenta $f_d = 4$ and $f_p = 1$ were not taken into account. The total momenta $f_d = 3$ and the width $f_d = 0.5$ MeV were attributed to the excited level of the compound nucleus. The calculation

was made in the Born and Butler approximation. The results

: 1/2 Card

POLAND/Nuclear Physics - Nuclear Reactions

C-5

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 15150

obtained are compared with experimental data (Referat Zhur Fizika, 1956, No 11, 31198). It is noted that the assumption of the formation of the compound nucleus is not enough to explain the strong backward scattering of the protons, observed experimentally.

Çard

; 2/2

CONSTANTINESCU, P.; LULEA, C.; NICULESCU, S.

Algorism for determination of the nucleus of the graph associated with the Nim game. Studii cerc mat 15 no. 1:77-81 '64.

LIIII.

LUII, 1. Technique for drying and handling tobacco. p.6.

Vol. 9, no. 8, August 1955 Tirane, Albania PER BUJQESINE SOCIALISTE

So: Monthly List of East European Accessions, (EEAL), IC, Vol. 5, No. 10, Oct. 1956

JULI, Q.

AGRICULTURE

Periodicael: PER BUJQUESING SOCIALISTE.

LULI, Q. How to protect tobacco from frost and other effects of temperature. p. 11.
We should prepare tobacco seedlings in time. p. 12.

Vol. 13, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAE) LC, Vol. 8, no. 5
May 1959, Unclass.

YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

R

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40631.

Author : Lulic, V.

SELENCE SELECTION OF THE PROPERTY OF THE PROPE

Inst Title

: Production and Use of Lapinized Vaccine in Swine

Orig Pub: Veterin. glasnik, 1955, 9, No 10, 672-677.

Abstract: For the preparation of the vaccine a lyophilized

strain of the lapinized pest virus was used, which was obtained after a long series of subinoculations on rabbits and which was checked for its sterility, harmlessness and immunogenic properties. The virus was intravenously injected into rabbits, who then were exsanguinated; from the blocd and spleen mix-

: 1/3 Card

YUGOGLAVIA/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40631.

ture, a 60 percent suspension with five percent of casein hydrolyzate was prepared. The vaccine was then titrated on pigs susceptible to it by intramuscular injections in doses of two ml and in solutions of 1:67, 1:134, 1:268, 1:536. Cf 154 vaccinated pigs, 132 (85.72 percent) did not become sick after a control vaccination; 22 pigs (14.28 percent) who received injections in solutions of 1:268 and 1:536, became sick and were slaughtered. The dry vaccine which was kept in a thermostate, preserved its immunogenic properties for the duration of 101 days, and when kept at room temperature (20 to 30° / C/) for one year even. When inoculated and not inoculated (susceptible) pigs were jointly kept, it was demon-

Card : 2/3

18

YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

R

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40631.

strated that the vaccinated pigs do not secret inoculation viruses. The duration of immunity in vaccinated pigs is not less than 12 months. The above described vaccine was also used for the inoculation of 236,874 pigs of the territories of Croatia and Serbia. Not more than one percent of the animals showed a reaction after their vaccination; not more than 0.5 percent died. No reaction was noted in pigs which were incoulated with the vaccine as well as with the serum.

Card : 3/3

THE REPORT PROTECTION OF PROPERTY OF THE PROPE

JUNG, Mirko, dr.; VESENJAK-HIRJAN, Jelka, dr.; LULIC, Vladimir, dr.; MATJASIC, Marko, dr.; BLATNIK, Drago; SPALATIN, Josip, dr.; FRYDA-KAURIMSKY, Zeljko, dr.

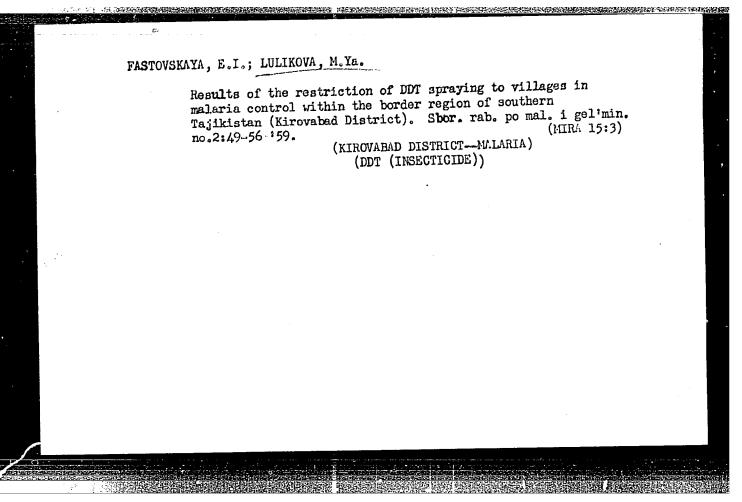
Laboratory studies on the epidemic of poliomyelitis in Croatia in 1960. Lijecn. vjesn. 83 no.6:587-601 '61.

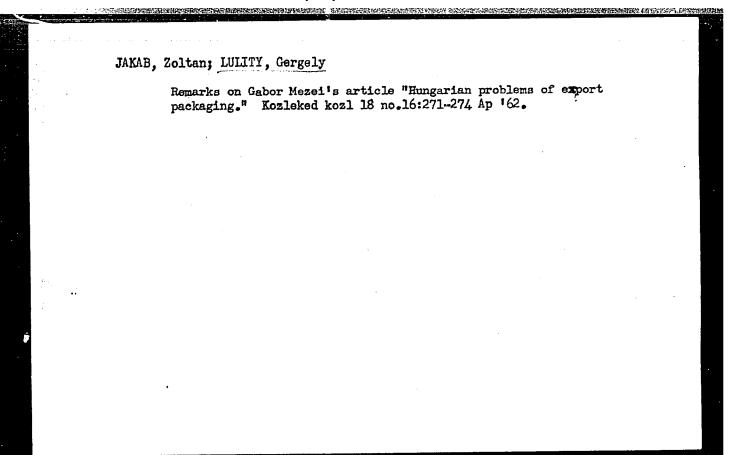
1. Iz Skole narodnog zdravlja "A.Stampar", Centralnog higijenskog zavod u Zagrebu, Sergvakcinalnog zavoda u Zagrebu i Centralnog Higijenskog zavoda u "Ljubljani.

(POLIOWELITIS epidemiol)

MASIOV, V.P.; LULIK, Ye.L.

A new tribe of Algae (Bereselleae) from the Carboniferous of the USSR. Dokl.AN SSSR 106 no.1:126-129 Ja *56. (MLRA 9:4)





LULLE-SZYSZKOWICZ, Irena

Prof. dr med. Ludwik Hirszfeld. Polski tygod. lek. 9 no.18:545-546 1 May 54.

(OBITUARIES,

Hirszfeld, Ludwik)

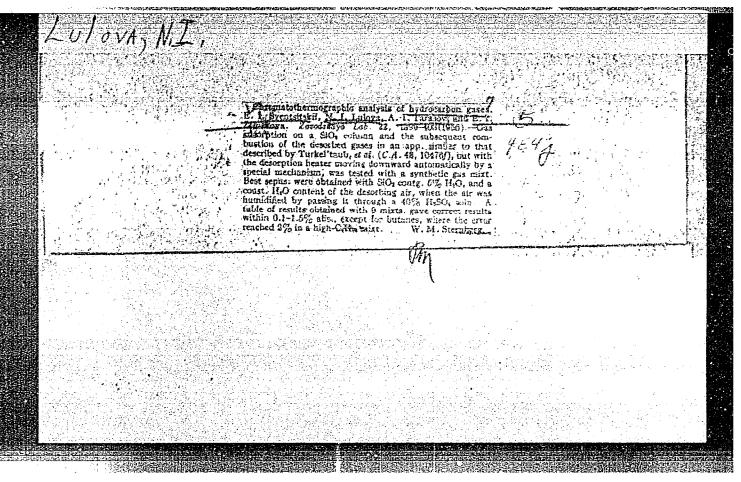
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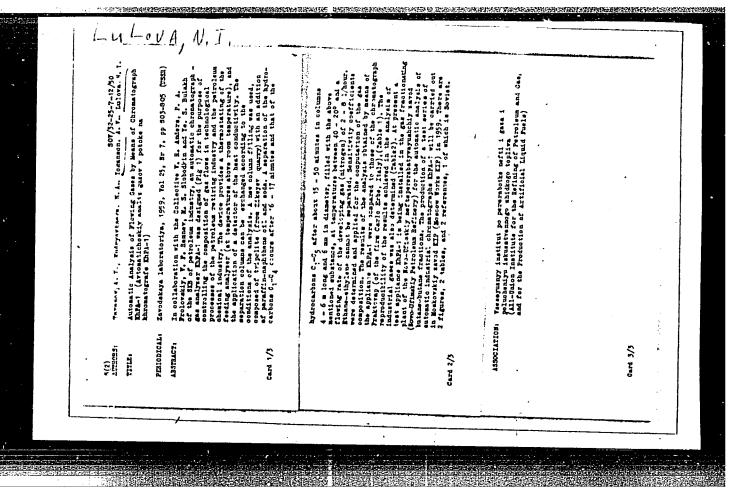
LULOV, G. R.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

"Experimental Investigation of the Ventilation of Powerful Hydroelectric Generators of Umbrella Shape." 6 June 1949. The author studied in detail and generalized the results of a large number of tests of large hydroelectric generators. The results of the tests, both thermal and ventilation, were subjected to recalculation in accordance with a single procedure. An analysis was made of the heating up of individual parts of the machines, in connection with the analysis of the ventilation.

SO: M-1048, 28 Mar 56



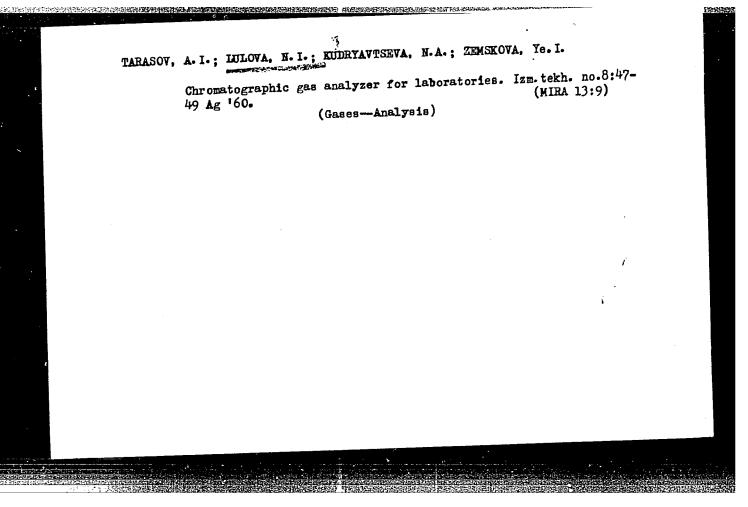


APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001030820020-5"

TARASOV, Aleksey Issarionovich. Prinimali uchastiye: KUZ'MINA, A.V.;
ZIMINA, K.I.; POLYAKOVA, A.A.; IOGANSEN, A.V.; PROLOVSKIY, P.A.;
LULOVA, H.I.. L'VOVA, L.A., vedushchiy red.; MUKHINA, E.A.,
tekhn.red.

[Gases obtained in petroleum refining and methods of their
analysis] Gasy neftepererabotki i metody ikh analiza. Moskva,
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960.
222 p.
(Petroleum-Refining) (Gases-Analysis)

(Petroleum-Refining) (Gases-Analysis)



26524 \$/065/61/000/008/009/009 £194/£135

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AUTHORS: Lulova, N.I., Piguzova, L.I., Tarasov, A.I., and

Fedosova, A.K.

TITLE: Checking the quality of synthetic samples of

molecular sieve type adsorbents by gas chromatography

PERIODICAL: Khimiya i tekhnologiya topliv i masel,

1961, No.8, pp. 59-63

TEXT: The VNII NP (Ali-Union Scientific Research Institute of the Petroleum Industry) is developing molecular sieve adsorbents and in this connection it was necessary to develop a method for assessing the quality of samples of molecular sieves. The method is based on the possibility of chromatic separation on molecular sieves of such components as oxygen and nitrogen, which are not separated by other adsorbents. The instrument used was a standard chromatograph type XN-3 (KhL-3) which was described in an article by P.A. Frolovskiy (Ref. 4: Khimiya i tekhnologiya topliv i masel, No. 7, 1961, pp. 44-49). Samples of molecular sieve were charged into the chromatograph column; which was 1 m long, 6 mm in diameter, with a thermostat temperature of 40-45 °C. Card 1/3

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E194/E135

Checking the quality of synthetic ...

Hydrogen was passed at a rate of 120 m? per minute and argon at 40 m? per minute. The weight of zeolite in the column was 21 g. The tests were made with a standard four component gas mixture:

 Oxygen
 2.0 - 4.0 % volume

 Nitrogen
 7.5 - 15.0 % volume

 Methane
 60.0 - 65.0 % volume

 Carbon monoxide
 21.0 - 25.0 % volume

Linde molecular sieves grade 5 A (5A) gave clear separation of all components of this mixture under the stated conditions in three minutes. Each newly synthesized specimen of zeolite was tested under analogous conditions to obtain identical chromatograms in analysing this gas mixturs. This rethod of checking molecular sieves is simple and quick. A considerable number of zeolite samples were tested in various stages of synthesis and those which gave good results in gas adsorption chromatography were also good in other analyses such as X-ray analysis and determination of water content. In order to compare the degree of activity of different samples certain chromatographic parameters were worked out, namely, the retention volume, the Henry coefficient and the separation factor, all of which are very suitable for general Card 2/3

26524

Checking the quality of synthetic ... \$\frac{5/65/61/000/008/009/009}{E194/E135}

characterisation of adsorbents. The gas chromatography method was also used to check qualitative changes in adsorbents during the process of heat treatment. Reactivation by heat treatment was carried out at various temperatures: results were good at 650 °C, better at 700 °C, but raising the temperature to 800 °C decreased the activity of the molecular sieve.

There are 3 figures, 2 tables and 8 references: 4 Soviet and 4 English. The English language references read: Ref.1: Petroleum Refiner, Vol.38, No.37, 136-140, 1957. Ref.3: S.A. Green, M.L. Moberg, E.M. Wilson. Anal. Chem. No.9, 1369-1370.

Ref.5: R.M. Barrer. prenst Chem. B.C. Vol.35, 21/22. Ref.2: R. Miltor. Adsorbents of the Molecular-sieve Type, American Patent No. 2882244, 14.4.59.

ASSOCIATION: VNII NP

Card 3/3

TO THE PERSON AND PROPERTY OF THE PERSON OF

101- LUP

Z/011/62/019/008/001/003 E073/E435

AUTHORS:

Lulova, N.I., Piguzova, L.I. et al

TITLE:

Investigation of adsorbents of the molecular sieves

type by means of gas chromatography

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v.19, no.8, 1962, 366, abstract Ch 62-4958. (Khimiya i tekhnologiya topliv i

masel, v.7, no.5, 1962, 70-73)

Gas chromatography was used for examining the efficiency of molecular sieves NaX, CaX of the sodium type, calcium type and the sieves partly converted from the sodium to the calcium type and for studying the effect of synthesis conditions on their physical and chemical properties. Another possible application is for Examples of monitoring the quality of molecular sieve samples. 6 figures, 5 references. chromatographic tests are given.

Abstracter's note: Complete translation.

Card 1/1

S/204/62/002/006/007/012 E075/E192

STEEN STORTSTEIN HERVOLD AND MAN STORTSTEIN BEGINNING BERTON AND STEEN STORTSTEIN BEGINNING BEGINNING BEGINNING

AUTHORS: Iulova, N.I., Tarasov, A.I., Kuzimina, A.V., and

Koroleva, N.M.

ASSESSMENT OF THE PROPERTY OF

TITIE: Chromatographic analysis of ganeous streams on the

ethylene plant

PERIODICAL: Neftekhimiya, v.2, no.6, 1962, 835-891

TEXT: Analyses of liquified gases and methane and ethylene determination in the light hydrocarbon distillate, and determination of C₂ hydrocarbons and propane in propane-propylene fractions were carried out using the reverse flow method in a modified chromatograph × NA-2 (KhPA-2). For the liquified gas (C₃ - 40 to 60%; C₄ - 20 to 40%; C₅ - 10%), bost results were obtained on silica gel MCM (MSM) treated with 1.5 wt.% soda and 13% glycerine, or on Inza brick treated with 20 wt.% propylene glycol. For the light condensate silica gel ACK (ASK) treated with 0.5% soda and 2% glycerol was found to be the most satisfactory column. It separated adequately athylene and ethane, the fuel analysis time being 4 - 4.5 min. The best column for the determination of CH₄ in the propane-propylene fraction was Card 1/2

Chromatographic analysis of gaseouh. \$\frac{\$\\$5/204/62/002/006/007/012}{\$\\$192}\$

silica-alumina, for the determination of propane modified silica gel ASK or activated alumina, for the determination of C_2 hydrocarbons activated alumina or silica-alumina. The time of analysis in all cases did not exceed 4-5 min. There are 5 figures and 4 tables.

ASSOCIATION: Vsesoyuznyy nauchno-iskledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva

(All-Union Scientific Research Institute for the Distillation of Petroleum and Gas and the Production

of Synthetic Liquid Fuel)

SUBMITTED: May 22, 1962

Card 2/2

LULOVA, N.I.; TARASOV, A.I.; FEDOSOVA, A.K.; LEONT'YEVA, S.A.

Use of gas chromatography for investigating gases and light gasolines. Khim.i tekh.topl.i masel 7 no.9:14-19 S '62. (MIRA 15:8)

1. Vsescyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva. (Hydrocarbons) (Gas chromatography)

FRCLCVSKIY, P.A.; Prinimali uchastiye: ANDERS, V.R.; REMNEV, V.F.;
BULAKH, Ye.S.; KHURSHUDYANTS, I.K.; YATSENKO, P.G.; TARASOV, A.I.;
IOGANSON, A.V.; LULOVA, N.I.; KURDRYAVTSEVA, N.A.

Kh.L-3 laboratory chromatograph. Khim. i tekh.topl.i masel 6 no.7:44-49 Jl '61. (MIRA 14:6)

 Spetsial noye konstruktorskoye byuro po avtomatike v neftepererabotke i neftekhimii.
 (Gas chromatography)

LULOVA, N.I.; PIEUZOVA, L.I.; TARASOV, A.I.; FEDOSOVA, A.K.

Gas chromatography used for investigating adsorbents of molecular sieve type. Khim.i tekh.topl.i masel 7 no.5:70-73 My 162.

(Adsorbents) (Gas chromatography)

(Adsorbents) (Gas chromatography)

LULOUA, N.I.

128

PHASE I BOOK EXPLOITATION

SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye (Synthetic Zeolites: Production, investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady) Errata slip inserted. 2500 copies printed.

 Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komisiya po tseolitam.

Resp. Eds.: M. M./Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical-Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub'.

PURPOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

Card 1/12 4

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;	zeolites. No personalities are mentioned. References follow in-	
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	: :	Synthetic Zeolites: (Cont.)	1/6246	
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		Shirinskaya, L. P., and N. F. Yermolenko. Applicability of the General Laws of Ion Exchange to Exchange on Synthetic Zeolite CaA	41	
		Neymark, I. Ye., A. I. Rastrenenko, V. P. Fedorovskaya, and A. S. Plachinda. Variation of Adsorption Properties of Zeolites as a Function of the Degree of Sodium-Ion Sub- stitution by Other Cations	46	:
*	:	Neymark, I. Ye., M. A. Piontkovskaya, A. Ye. Lukash, and R. S. Tyutyunnik. Variation of the Selective Capacity of Synthetic Zeolites	49	!
; ; ;		Lulova, N. I., L. I. Piguzova, A. I. Tarasov, and A. K. Fedoso Investigation of Synthetic Zeolites With the Aid of Gas Chromatography	59	
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.	Synthetic Zeolites: (Cont.)	DV/6246	
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	Vaynshtoyn, S. M., G. V. Astaf'yev, Ye. Ya. Giyenko, N. I. Lulova, and A. T. Slepneva. Methods of Plant and Quality Control of Finished Products During Manufacture of Zeolite A Type Adsorbents	212	
	APPLICATION OF ZEOLITES	P. Sadder	
	Kiselev, A. V., Yu. A. El'tekov, and V. N. Semenova. Adsorption of a Mixture of Thiophene and Heptane on Zeolite NaA	218	
	Pavlova, L. F. Adsorption From n-Hexans-Benzene Solutions With Synthetic Zeolite GaA	225	
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LULOVA, N.I.; TARASOV, A.I.; FEDOSOVA, A.K.; LEONT'YEVA, S.A.; KVASOVA, V.A.

Analysis of the wide fractions of straight-run gasoline by gasliquid chromatography. Khim. i tekh. topl. i masel 8 no.12: 21-28 D '63. (MIRA 17:1)

l. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

LULOVA, N.I.; TARASOV, A.I.; KUDRYAVTSEVA, N.A.; ZEMSKOVA, Ye.I.

Chromatographic method of analysis of gases of petroleum refining. Trudy Kom.anal.khim. 13:238-246 63. (MIRA 16,5)

l. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefth i gazh i polucheniyu zhidkogo topliva.

(Petroleum refining) (Gas chromatography)

LULOVA, N.I.; TARASOV, A.I.; KUZ'MINA, A.V.; KOROLEVA, H.M.

Chromatographic analysis of gas flows on a unit for obtaining ethylene. Neftekhimia 2 nc.6:885-991 N-D '62. (MTRA 17:10)

1. Vsesovuznyy nauchno-issledovatel skiy institut po pererabotke nefti i gaza pelucheniyu iskusstvennogo zhidkogo togliva.

LULOVA, N.I.; DIMOV, N.; LEONT'YEVA, S.A.

Selection of liquid phases for high-temperature gas chromatography. Khim, i tekh, topl. i masel 10 no.8:56-59 Ag '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovateliskiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

KUDRYAVTSEVA, N.A.; TARASOV, A.T.; LULOVA, N.T.; SHCHIPANOVA, A.J.

Selecting the optimum conditions of chromatographic separation for fillers made from tikeev deposit cripoli. White, i tekh, topl. i masel 10 no.10:55-58 0 165. (MIFA 18:10)

1. Vsesoyuznyy nauchno-isaledovatel akiy institut po pererabotke nefti i gazov i polumeniyu iskasotvennogo shidkogo topliva.

LULAKOV, I.F. (Leningrad)

Pathogenesis of arterial hypoxemia in patients with pulmonary emphysema. Klin.med. 39 no.2:116-121 F 161. (MIRA 14:3)

l. Iz kafedry propedevtiki vnutrennikh bolezney (nach. - deystvitel'nyy chlen AMN SSSR, zasluzhennyy deyatel' nauki prof. N.N. Savitskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. (EMPHYSEMA, PUIMONARY) (ANOXEMIA)

LUMBAROV, Stefan, inzh.; IVANOV, Ed'o

Increasing the size of bobbins by unifying the shuttles of the looms for woolen fabrics. Tekstilna prom 11 no.4:39-40 62.

KOCHANKOV, D.; MADZHAROV, G.; KUNCHEV, N.; TSVETKOV, T.; DIMCHEVA, L.; KOSTOVA, K.; LUMBARSKI, V1.

Sanatorial therapy of diabetes at Bankia spa. Suvrem. med. Sofia 8 no.3: 37-43 1957.

1. Iz. Sanatorium No. 2 - MSKU - Bankia (Gl. lekar: d-r D. Kochankov). (DIABETES MELLITUS, therapy, sanatorial (Bul))

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OURCE: Isŝledovaniya po dinamikė poscow, Izd-vo Mashinostroyeniye, 19	oleta (Research on flight dynamics), no. 1.
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rajectory	, , , , , , , , , , , , , , , , , , , ,
to a moving target by the beam-rie	lem of determining the trajectory of a rocket guid- der method can be reduced to the simultaneous
olution of a system of nonlinear di	fferential equations describing the motion of the
olving such a system by numerical mo	f the guidance method. The author stresses that ethods is a laborious task and that the obtained
princion does not show a general prin	nciple of the motion of the rocket and of the
arget because it depends on initial	conditions of motion and the serodynamic and
	A grapho-analytic method based on the method of
cructural parameters of the rocket.	for determining the trajectory of a multistage

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ACC NR: AT6003575

method and integrating, the following expression for determining the trajectory of the rocket is derived:

$$z = \frac{V_{e}}{H_{e}} \cdot \frac{\sin^{2}\beta}{V} \left(\frac{H_{e} \cdot r_{ce}}{H_{e}} + \int_{0}^{\infty} V dt \right).$$

where ε is the lead angle (the angle between the radius vector and the velocity vector of the rocket); V_c is the velocity of the target; H_c is the altitude of the target; β is the angle between the radius vector and the horizontal plane; H_o, r_{co}, and V are the altitude of the rocket, its distance from the guidance system and the velocity of the rocket at the initial instant of guidance, respectively. Expression (1) contains the function V(t) and, therefore, the problem of calculating the trajectory can be solved in quadratures, when the law of variation of velocity in time is known. Assuming that variation of the velocity in time is linear, the first approximation to the solution of the problem is derived. The methods of graphical integration are used for determining flight parameters. On the basis of first approximation formulas, an algorithm for successive approximation of trajectory parameters is presented. It is noted that in order to calculate the parameters for each stage of a rocket, it is sufficient to confine oneself to second-approximation formulas; third-approximation results are very close to or even coincide with the results of the second approximation. Orig. art. has: 7 figures and 26 formulas. [IK]

SUB CODE: 01

SUBM DATE: 02Aug65/ ORIG REF: 007/ ATD PRESS: 4186

Card 2/2

LUMEL 'SKIY, V. F.

Lumel 'skiy, V. F. - "The economic problem in the chemical utilization of natural gas," Trudy Sarat. ekon. in-ta, Vol II, 1949, p. 175-82

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

5(4)

AUTHORS:

Nikolayeva, S. A., Lumi, L.

SOY/76-32-10-19/39

TITLE:

Investigation of the Dissolution Rate and the Steady Potential of Zinc Amalgam in Hydrochloric Acid (Issledevenive skewesti mastverseign i stateierenness vetentei

dovaniye skorosti rastvoreniya i statsionarnogo potentsiala

amal'gamy tsinka v solyanoy kislote)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1958, Vol 32, Mr 10,

pp 2356 - 2361 (USSR)

ABSTRACT:

The present paper is in direct relation to a number of publications written under the supervision of

Professor Ya.V. Durdin (Refs 1-6). K.A. Dvorkin and Ya.V. Durdin (Refs 5,6) carried out a detailed investigation

of the dissolution kinetics of metallic zinc. To avoid the influence of an uneven surface the

dissolution kinetics of zinc amalgam were investigated in the present case. The spectral analyses of the

reagents used were made at the kafedra analiticheskoy khimii Tartuskogo gosudarstvennogo universiteta (Chair of

Card 1/4

Analytical Chemistry of Tartu State University) by

Investigation of the Dissolution Rate and the Steady Potential of Zinc Amalgam in Hydrochloric Acid

sov/76-32-10-19/39

the head of the laboratory, E.Pedak. The rate of dissolution of zinc amalgam was investigated at concentrations of 0,5 to 5 N HCl. The quantity of the steady potential becomes more negative with an increase in concentration of the hydrochloric acid. Experiments concerning the influence of mixing on the rate of dissolution showed that this influence is rather strong with solutions of nigher concentrations. The change of the rate of dissolution is connected with a change of the steady potential (according to Tafel's equation). The mean value of the temperature coefficient amounts to 2,1. On an addition of ZnCl₂ the potential becomes more positive and the rate of dissolution decreases, whereas an addition of KClhas the opposite effect. The experimental data obtained show a similarity to those of cadmium dissolutions in hydrochloric acid (Ref 4). In the papers by L.Kish (Ref 12) and V.I.Kravtsov and I.S. Loginova (Ref 13) an explanation of the dissolution

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Investigation of the Dissolution Rate and the Steady SOV/76-32-10-19/39 Potential of Zinc Amalgam in Hydrochloric Acid

kinetics is given. In the papers by Durdin (Ref 3) comparisons of the so-called "Relative Increase of the Velocity of Processes" were made with chromium, and in the papers by Ya.V. Durdin and S.A. Nikolayeva (Ref 4) with cadmium. The dissolution rate of zinc amalgam is determined by the velocity of the cathodic process of the hydrogen formation in the case of a steady potential and a certain concentration of the zinc ions in the dissolved amalgam surface. The data on the cathodic process of hydrogen formation were taken from the paper by Z.A. Iofa and V.A. Stepanova (Ref 10), and those for zinc from K.A.Dvorkin (Ref 6). The course of the cathodic process on amalgams differs only little from that for pure mercury, according to Bockris (Bokris) (Ref 14). There are 1 figure, 5 tables, and 14 references, 11 of which are Soviet.

Card 3/4

Investigation of the Dissolution Rate and the Steady SOV/76-32-10-19/39 Potential of Zinc Amalgam in Hydrochloric Acid

ASSOCIATION: Gosudarstvennyy universitet, Tartu (Tartu State University)

SUBMITTED: May 13, 1957

Card 4/4

MACHOLAN LUMIR

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogs.

CHIMANESI MATERIA SI DENGAN DENGAN PENGENJANGAN PENGENJANG

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64623.

Author : Macholan Lumir

: Aminoketocarboxylic Acis. V. On the Problem of Title

the Biogenesis of Alkaloids of the Chinazoline

Type.

Inst

Orig Pub: Chem. listy, 1957, 51, No 11, 2122-2128.

Abstract: In vitro experiments have shown that glyoxalic (I)

and alpha-oxo- & -aminovaleric (II) acids can, during

the biosynthesis of a kaloids, sometimes replace the suggested aldehyles, CH_O and & -aminobutyraldehyde. The interaction of I with O-NH, C, H4 CHO (III) and either

ammonia or methylammonia salts, leads, in all probability,

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CIA-RDP86-00513R001030820020-5" **APPROVED FOR RELEASE: 07/12/2001**

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogs.

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64623.

to an aqueous solution of betaine 1,2-alpha-dihydroquin-azolinine-2-carboxylic acid, or the 3-methyl-derivative, from which oxidation with K₂/Fe(CN)₂/yields quinazoline or 4-hydroxy-3-methyl-3,4-dihydroquinazoline. Similarly, from (II) and (III) are produced the betaines 2,3-trimethylene-1,2-dihydroquinazolinic-2-carboxylic acid (hydrochloride), which is changed without separation by hydrogenation and oxidation by (IV) into 2,3-trimethylene-3,4-dihydroquinazoline (desoxyvasicine) (V), with a very high yield. From these results, it follows that for the biosynthesis of vasicine, one must assume in the quality of intermediates either beta-oxy-(II) or (II), and the biological hydrolysis of (V). Placing (I) together with (III) for 15 hours and CH₂COONH₄ in a phosphate

Card : 2/6

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogs.

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64623.

buffer under the following pH, then adjusting the pH to 7.5-8, then adding (IV) and letting stand for 24 hours at 20°, yields quinazoline, m.p. 48', b.p. 235'; picrate, m.p. 188-189', yield according to pH as follows (pH first, then yield in 5): 5.5, 70.8; 6.0, 73.5; 6.5, 74.0; 7.0, 75.5; 8.0, 77.7. The picrate is derived by letting stand for 24 hours at 20° with CrO; in CH,COOH; the picrate produced is quinazoline-4, m.p. 203-204', From which can be extracted the base, m.p. 215-216'. In the same manner, from (I) and (III) with CH,NH; HCl, is synthesized 4-hydroxy-3-methyl-3,4-dihydroquinanzoline, yield (at pH 7.0) 80%, m.p. 164-165'; picrate, m.p. 180-181'. The action of (IV) during 6 days at 20° yields to the picrate of 3-methylquinazoline-4,

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CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogs.

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Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64623.

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yield 12%, m.p. 210-211°. From a solution of the hydrochloride of (II), after adding (III) and an aqueous solution of acetone, there separates out after 3 hours at 20° the hydrochloride of 2,3-trimethylene-1,2-dihydroquin-azoline-2-carboxylic acid (VI acid), yield 89%, m.p. 180-182°; picrate, m.p. 150-151°. (VI) and (IV) in aqueous solution at pH 7.2, after 5 hours at 20°, give 4-hydroxy-2,3-triethylene-3,4-dihydroquinazoline, yield 86%, m.p. 175-176°; picrate, C/7H/3O7N3-C2H,OH, m.p. 146-147°. Longer interaction (3 days) of (IV) and (VI) at 25°, leads to 2,3-trimethylene-quinazol-4, m.p. 110-111°, picrate m.p. 185-186°, which was also derived by oxidizing the picrate of (V) with CrO; in CH/COOH. Upon hydrogenation of (VI) over Pd/BasO4

card : 4/6

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogs.

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Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64623.

in water at 18°, there is produced the hydrochloride of 2,3-trimethylene-1,2,3,4-tetrahydroquinazoline-2-caroxylic acid (VII), yield 93%, m.p. 150-151°, which, with (IV) at pH 7.5

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CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogs.

(

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64623.

gives the hydroferrocyanide of (V) (C;|H;|N;)
.H; Fe(CN). This substance was also synthesized indirectly out of (VI) without separating
out the preceding intermediate products to yield
95%, picrate m.p. 206-207; the free bases of (V)
m.p. 96-97° were derived from the picrate. (V) was
also synthesized by the above described steps,
without separation of the intermediate products,
directly from an aqueous solution of (II). Yields
varied with the pH at the first stage of the process
(pH first, then yield in \$\phi\$): 5.5, 85.3; 6.0, 86.5;
6.5, 87.4; 7.0, 86.9; 8.0, 78.6. For a report on
Part IV, see RZhKhim, 1958, 39553.

card : 6/6

20-2-7/60

AUTHOR:

Lumiste, Yu. G.

TITLE:

On the Geometrical Structure of the Complex Analytical Surface V. Within the Space R. (O geometricheskom stroyenii kompleksno-analiticheskoy poverkhnosti V. prostranstve R.)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 2, pp.259-262 (USSR)

ABSTRACT:

As a complex-analytical surface V_{2n} within the Euclidian space R_{2N} a surface is described, which in the orthogonal coordinates x^J , x^J , $(J=1,\dots,N,\overline{J=N}+J)$ may be represented by the equations $x^J+ix^J=f^J(u^k+iu^k)$, $(k=1,\dots,n)$. Here $f(w^k)$ denote analytical functions of the n complex variables w, ..., w^n . Previous papers, especially dealing with the cases n=1 and N=2 are cited. The present report gives a geometrical characteristic of the complex-analytical surface V_{2n} in R_{2N} . The complex-analytical surface V_{2n} is here looked upon as an image of the analytical surface V_{2n} of the unitary space $V_{N}(i)$ at an isometric image

Card 1/3

20-2-7/60 On the Geometrical Structure of the Complex Analytical Surface V2n Within the Space R_{2N}

 $U_N(i) \rightarrow R_{2N}$. The following theorem is given. The real non-isotropic surface V₂ in the Euclidian space R_{2N} is then and only then complexly analytical, if the following applies. 1) It is the surface of the transfer of the two imaginary complexly conjugated, totally isotropic analytical surfaces X and X . 2) The surfaces X, X are located correspondingly in two plane generatrices In, I of an isotropic cone, which intersect each other only at one point of the surface. The complex-analytical surface V_{2n} accordingly belongs to the class of the minimum surfaces with two isotropic conjugating directions I_{n} and \overline{I}_{n} . The surface V_{2n} satisfies a certain condition, which is a generalization of the condition by Komerell-Eisenhart.

ASSOCIATION: Moscow State University imeni M. V. Lomonosov and State University Tartu (=Dorpat, Esthonia) (Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova i Tartuskiy gosudarstvennyy universitet)

Card 2/3

\$20-2-7/60\$ On the Geometrical Structure of the Complex Analytical Surface V $_{\rm 2n}$ Within the Space $\rm R_{\rm 2N}$

PRESENTED: December 3, 1956, by P. S. Aleksandrov, Academician

SUBMITTED: November 30, 1956

AVAILABLE: Library of Congress

Card 3/3

AUTHOR: Lumiste, Yu. G. 20-114-4-7/63

TITLE: On Surfaces V_n With Multidimensional Isotropic Conjugated Di-

rections in Spaces R_N or S_N (Opoverkhnostyakh V_n s mnogomernymi izotropnymi sopryszhennymi napravleniyami v prostran-

stwakh R_N ili S_N)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 4, pp. 702-

705 (USSR)

ABSTRACT: A surface V_n in the Euclidean space R_N or in the non-Euclidean space S_N is described as "surface with a completely tangential

system of isotropic conjugating directions", its tangential plane at any point M has totally isotropic directions IX with

the dimension number $p_{\chi}(\chi = 1, ..., k)$, $p_{\chi} = n$.

These directions are not permitted to lie entirely on a surface with the dimension number m \langle n and are polarly weakly conjugated. For the case n=2 the class of these surfaces is identical with the class of the minimum V_2 . The present paper now obtains some results for the general case. To the surface V_n a movable axial cross is associated in such a manner that the

Card 1/3 vectors eix are located in the directions IK and the vectors ex

On Surfaces V_n With Multidimensional Isotropic Conjugated 20-114-4-7/63 Directions in Spaces R_N or S_N

are located in the plane normal to V_n . The directions I^{χ} are now subdivided into the highest possible groups in such a manner that the directions of one group are located in smallest possi-Whe common plane generatrix $J^{3}(g=1,...,r)$ of the isotropic cone. Theorem: A nonisotropic surface Vn with a totally tangential system of isotropic conjugated directions and a maximum n₁ exists in a non-Euclidean space only at n=2. In an Euclidean space it exists also at n 2 and is then a transmission surface of its total isotropic subsurfaces which are enveloped by the directions JY. These subsurfaces in turn split up into subsurfaces which are enveloped by the directions IX. The proof of this theorem follows next. A surface V_n with a totally tangential system of isotropic conjugated directions must be a minimum only if two directions J^1 and J^2 with an equal dimension number exist. In this case the surface has certain properties which extend the properties of the minimum V_2 to V_3 . There are 6 references, 4 of which are Slavic.

ASSOCIATION: Moscow State University imeni M. V. Lomonosov (Moskovskiy Card 2/3

On Surfaces V_n With Multidimensional Isotropic Conjugated 20 114-4-7/63 Directions in Spaces R_N or S_N

gosudarstvennyy universitet im. M. V. Lomonosova)

PRESENTED: December 22, 1956 by P. S. Aleksandrov, Member, Academy of

Sciences, USSR

CONTROL OF THE PROPERTY OF THE

SUBMITTED: December 21, 1956

Card 3/3

LUMISTE, Yu. G. Cand Phys-Math Sci -- (diss) "On p-measure surfaces with dwelters" Mos, 1958. 6 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M. V. Lomonosov), 150 copies (KL, 11-58, 112)

0

9

16(1) SOV/140-59-1-10/25 AUTHOR: Lumiste, Yu.G. On n-Dimensional Surfaces With Asymptotic Fields of p-Directions TITLE: (O n-mernykh poverkhnostyakh s asimptoticheskimi polyami pnapravleniy) PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 1, pp 105-113 (USSR) The author joins the investigations of Cartan Ref 1 and ABSTRACT: Ryzhkov $\sqrt{\text{Ref 2}}$ and considers surfaces F_n with asymptotic fields of direction in the N-dimensional projective space $\boldsymbol{P}_{\boldsymbol{N}}$ (here a field of direction tangential to F is called asymptotic if in every point $\mathbf{M}_{o} \in \mathbf{F}_{n}$ its direction is the plane generating line of the intersection of the asymptotic base cones). The author gives some partly not new results on the fibering of the Fn and similar questions. His elaboration partly overlaps with that of Muracchini Ref 4.7. There are 5 references, 3 of which are Soviet, 1 French, and 1 Italian. ASSOCIATION: Tartuskiy gosudarstvennyy universitet (Tartu State University) SUBMITTED: December 17, 1957 Card 1/1

16

16(1) . .

AUTHOR:

Lumiste, Yu.G.

SOV/140-59-3-17/22

TITLE:

On Three-Dimensional Surfaces With Three Orthogonal Families

of Asymptotics

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 3,

pp 173-185 (USSR)

ABSTRACT:

The author considers a class of three-dimensional surfaces with three families of orthogonal asymptotics which may be straight lines. The consideration is made in proper Euclidean and proper non-Euclidean spaces which are understood as metrized projective spaces. In the $\S\S1$ and 2 the author establishes the system of differential equations describing the considered surfaces. Since the proof of compatibility of the system is very difficult, the author restricts himself to two of the possible four cases. In §3 the author considers surfaces V_3 in the R_n or S_n (6 \leq $n \leq$ 7) fibred along the asymptotics of the three orthogonal families. It is proved that only one surface V_3 in the elliptic S_7 which

is described by a certain minimal surface V_2 in the S_3 , has this

Card 1/2

On Three-Dimensional Surfaces With Three Orthogonal SOV/140-59-3-17/22 Families of Asymptotics

property. In §4 it is shown that V₃ with three orthogonal families of rectilinear asymptotic lines are possible in elliptic spaces S₄, S₆ and S₇ only. The author uses own earlier results [Ref 3].

There are 4 references, 3 of which are Soviet, and ; Italian. ASSOCIATION: Tartuskiy gosudarstvennyy universitet (Tartu State University) SUBMITTED: March 10, 1958

Card 2/2

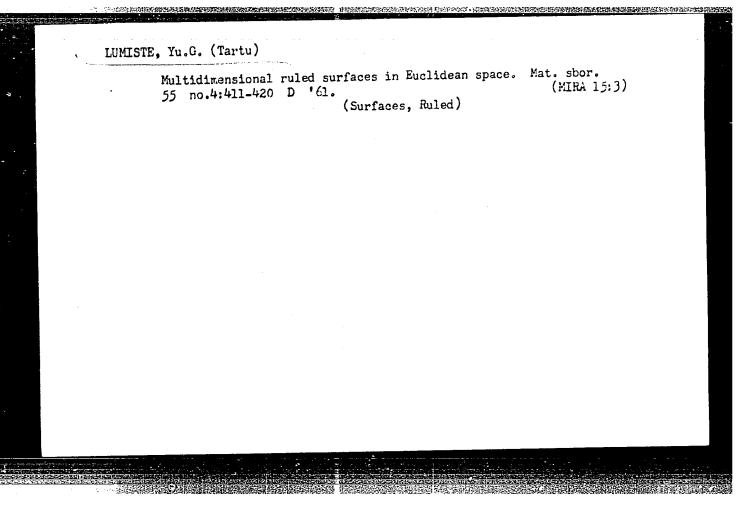
LUMISTE, Yu.G. [Lumiste, J.] (Thrtu)

Differential geometry of ruled V₃ hypersurfaces in R₄,

Mat.sbor. 50 no.2:203-220 F 160.

(Geometry, Differential)

(Geometry, Differential)



LUMISTE, Ulo; CARENEK A., red.

[Differential geometry] Diferentsiaalgeomeetria. Tallinn,
Eesti Riiklik Kirjastus, 1963. 235 p. [In Estonian]
(MIRA 17:6)

Models of betweenness. Izv. AN Est. SSR. Ser. fiz.-mat. 1 tekh.
nauk 13 no.3:200-209 '64. (MIRA 17:11)

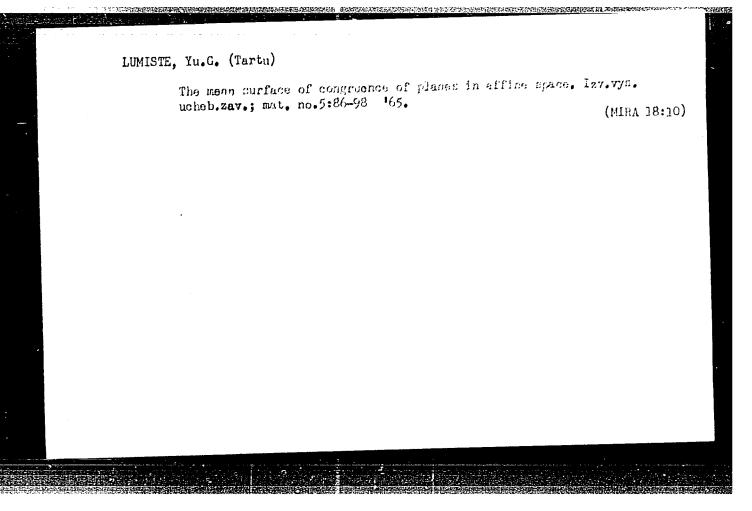
1. Tartu State University.

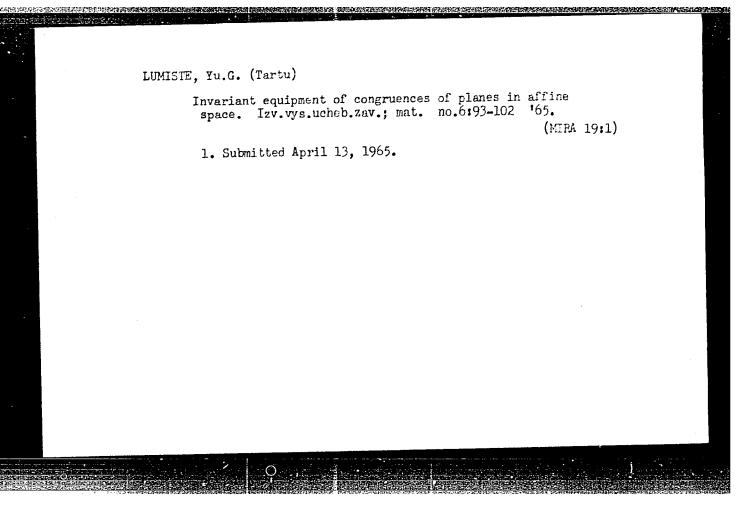
TUUIMETS, L.; LIMISTE, Yu. [lumiste, U.], dotsent

Flexure of a minimal V3 congruence in an R, space. lzv. AK hut. CSR.

Ser. fiz.-mat. i tekh. nauk 13 no.3:210-216 '64. (MIRA 17:11)

1. Tartu State University.





LUMKIEWICZ, J.

The supreme command of the Polish Armed Forces abroad in the years 1939-1945. (to be contd.)

p. 42 (Bellona) No. 2, Apr./June 1957, Poland

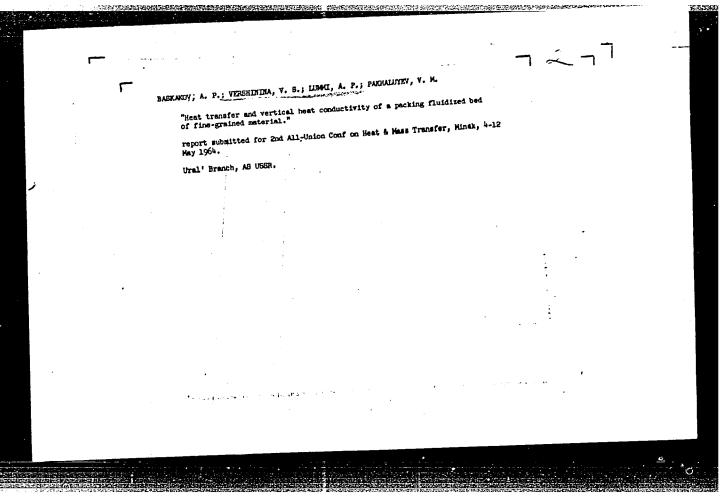
SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EFAI) LC, VOL. 7, NO. 1. JAN. 1958

BASKAKOV, A.P.; LUMMI, A.P.

Hydrodynamics of an apparatus for drying and dehydration of fine granular materials in a fluidized bed with a solid heat carrier.

Khim.prom. no.11:844-846 '63. (MIRA 17:4)

LUMNITZER, CY 63. Razymological investigation of artificially fermented tobaccos - Szabolesi dohányoh mesterséges jepnontálásának enzimalógiai vizsgálata - L. Tolnáy and 16y. Lumnitzer. (Food Industry - Elelmezesi Ipar - Vol.) 7. 1953, No. 2, pp. 58-63, 7 figs.) Samples were taken (a) from bales of tobacco grown in the Szaboles region, before and after chamber fermentation and after six weeks of storage; (b) from tobacco jeaves also front the same region, before and after mechanical treatment and several times at given intervals from bales during subsequent fermentation. Invertase, Hungarian Technical Abst amylase and polyphenoloxidase activities as well as the oxygen indices, reducing substances and polyphenol Vol. 6 No. 1 compounds were determined in each of the samples. It was observed that a more sensitive indication is given of the progress of fermentation by enzymic activity measurements than by substrates. The activity of the mentioned enzymes decreased greatly during chamber fermentation while during storage practically no change occurred. A strong inactivation of the enzymes and a decrease of the oxygen index could be observed during mechanical treatment. Changes in temperature and blological changes were found to be independent of each other during fermentation. It appears that the determinution of the oxygen index and also that of polyphenoloxidase and invertase activities furnish appropriate data for the control of fermentation.



Baskakov, A.P.; Antiseyse, V.S.; IBBSI, A.R.

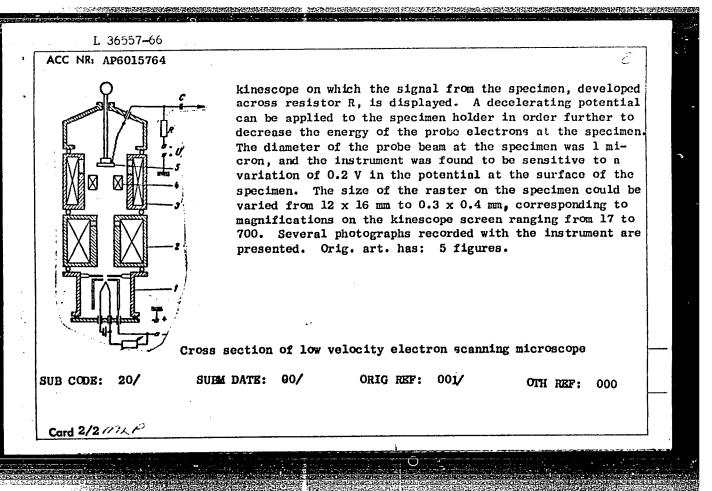
Use of a thermosomete in studying local heat transfer in a spouting layer. Inch.-fiz. zhur, 10 mm.1:16-21 Ja V.G. (MISA 19:2)

1. Ural'skiy politekhnicheskiy institut im. S.M. Kirova, Sverdlovsk. Submitted January 12, 1965.

Reducing the quality flusters.

Reducing the quality fluctuation of cigarettes with special regard to the formation of nicotine content; excerpts from an articla. Musz elet 17 no.20:15 27 S *62.

L 36557-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) AT/JD ACC NR: AP6015764 (A, N) SOURCE CODE: UR/0048/66/030/06	05/0778/0780
UTHOR: Vertsner, V. N.; Lumonov, R. I.; Chentsov, Yu. V.	<u>v.</u>
TITIE: The use of low velocity electrons in an electron scanning microselfth All-Union Conference on Electron Microscopy held in Sumy 6-8 July	cope /Report,
SOURCE: AN SSSR. Izvdstiya, Seriya fizicheskaya, v. 30, no. 5, 1966, 77	8-780
TOPIC TAGS: electron microscope, electronic scan, electron beam, electr	on energy
ABSTRACT: An electron scanning microscope employing an accelerating pot 500 to 2000 V has been developed and a pilot model has been constructed low accelerating potential entails some deterioration of the resolving revides higher sensitivity to small variations of the electric and magnet; the surface of the specimen. The low penetrating power of the low energy makes it possible to detect very thin films of foreign material on the specimen. Moreover, the secondary emission coefficient of some insulated for low energy incident electrons is close to unity, and it is according to the succeptance of the specimen study such materials without first coating them with metal. A cross some pilot model microscope is shown in the figure. The beam from the elect focused by lenses 2 and 3 onto the specimen 5. The beam is deflected be 4, the currents in which are synchronized with those in the deflection	cower but pro- lc fields at gy probe beam surface of the ing materials gly possible to ction of the ron gun 1 is y the windings
Card 1/2	



LUMOV, F. O. AND OFFERS

Sugar - Manufacture and Refining

Sugar industry in the Volge ares. Sakh. prom. 25 no. 2, 1952

Monthly List of Aussian Accessions, Library of Congress, June 1952. UnClassified.

Lumpe,	V.Ye	
USSR/}¢iscel	laneous - Theses	
Card 1/1	Pub. 128 - 24/26	
Authors		
Title	Abstract of theses	
Periodical	Vest. mash. 2, 108-109, Feb 1954	
Abstract	The following abstracts of theses are presented: Anson, P. I Experimental investigation of the strength of cylinder flange joints for high-pressure turbines; Sharin, Yu.S The investigation of certain economical processes in cutting metals at various speeds and feeds; Kotikova, E. T The effect of cleaning with a blast of metal-shot on the strength of machine components; Lumpe, V. E The working of holes with an electric spark method; and Nefect V. A.F The investigation of the influence of microfinished surfaces on the wear of cylinders of interhal combustion engines.	٥
Institution		
Submitted		0 1

EUNT CVALEMS

600

- 1. LUMPOV, I. M.
- 2. USSR (600)

"Rail-reinforced Lining of Mills at the Krasnoural'sk Concentration Plant" Tsvet. Met. 14, No 9, September 1939.

9. Report U-1506, 4 Oct 1951.

LUNPOVA, V.M.

Origin of cell of induced sarcoma from acellular live substances. Arkh. pat., Moskva 14 no. 5:40-45 Sept-Oct 1952. (CLML 23:3)

1. Of the Oncological Clinic. Sverdlovsk Institute of Physical Therapy Methods (Scientific Supervisor -- Prof. L. M. Ratner).

LUMPOVA, V.M

"New Data on the Histogenesis of Experimentally Induced Sarcomas." Cand Med Sci, (no inst affiliation), Sverdlovsk, 1953. (RZhBiol, No 5, Mar 55)

So: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

Isolated lymphogramulomatosis of the stomach. Chirurgiia 35 no.2:42-46 F '59. (MIRA 12:5)

1. Iz gospital noy khirurgicheskoy kliniki (zav. chlenkorrespondent AMN SSER zasluzhennyy deyatel nauki prof. A.T.Lidskiy) Sverdlovskogo meditsinskogo instituta. (HODGKIN'S DISEASE, case reports, stomach (Rus))

(STOMACH NEOPIASMS, case reports, Hodgkin's dis. (Rus))

LUMPOVA, V.M., kand.med.nauk (Sverdlovsk)

Some problems in thyroid gland pathology. 14a Prob. endck. i gorm. 8 no.2:80-87 Mr-Ap'62. (MIRA 16:7)

1. Iz kafedry gospital*noy khirurgii (zav.-zasluzhennyy deyatel* nauki chlen-korrespondent AMN SSSR Prof. A.T.Lidskiy)Sverdlov-skogo meditsinskogo intituta.

(THYROID GLAND-DISEASES)

S/124/63/000/001/043/080 D234/D308

AUTHOR:

Lun', Ye.I.

TITLE:

An elastic half-plane with a circular hole rein-

forced by a rigid ring

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1963, 8, abstract 1750 (2b. robit aspirantiv Mekhan.-matem. ta fiz. fak. L'vivs'k. un-t, 1961, no. 1, 53-57

(Ukr.))

TEXT: The solution of the problem of stress distributions in an elastic half-plane with a circular hole reinforced by a rigid ring was given in the abstracter's papers (I.G. Aramanovich, Dokl. AN SSSR, 1955, v. 104, no. 3, 372-375 - RZhMekh, 1957, no. 8, 9286) and that of I.O. Prusov (Nauk. zap. L'vivs'k. un-t, 1957, v. 44, 17-21 - RZhMekh. 1958, no. 8, 9056). The present paper considers the particular case when the reinforced ring is absolutely rigid. A numerical example is given.

Abstracter's note: Complete translation 7

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LUNA-GWIAZDOWSKI, Maciej. prof. dr

Cosmic vehicle with a two-person crew. Problemy 20 no. 4:
194-196 '64.

LUNACEK, A.

Results of the analysis of disability in Breclav District. p. 320.

CESKOSLOVENSKE ZDRAVOTNICTVI. Praha, Czechoslovakia. Vol. 7, no. 5, July (i.e.June) 1959.

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So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 195h/Unclassified

HYABENKO, A.Ya., glavnyy red.; VINOGRADOV, A.P., red.; VOL'FKOVICH, S.I., red.; ZHAVORCHKOV, N.M., red.; IVANOV, M.I., red.; KISELEV, V.S., red.; LUHACHARSKAIA, I.A., red.; MEDVENEV, S.S., red.; MEL'NIK, B.D., red.; PLANOVSKIY, A.N., red.; TOPCHIYEV, A.V., red.; ROMM, R.S., red.; POGUDKIN, P.V., tekhn.red.

[Chemical industry of the U.S.S.H.] Khimicheskaia promyshlennost' SSSR. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1959. 457 p. (MIRA 13:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy nauchno-tekhnicheskiy komitet.

(Chemical industries)

L 12941-63

EWG(k)/EWT(1)/BDS/EEC(b)-2/ES(w)-2 AFFTC/AFWL/ASD/ESD-3/ SSD Pz-4/Pi-4/Po-4/Pab-4-IJP(C)/AT

ACCESSION NR: AP3003920

8/0259/63/000/006/0006/0006

AUTHOR: Lunacharskaya, Irina (APN correspondent)

TITLE: Fractions of stellar seconds [Plasma containment]

SOURCE: Nauka 1 tekhnika, no. 6, 1963, 6

TOPIC TAGS: controlled thermonuclear reaction, magnetic mirror machine, PR-5 mirror machine, plasma containment, plasma physics, thermonuclear reaction

ABSTRACT: A group of experimenters, headed by Academician Lev Artsimovich and including Mikhail Toffe, Yuriy Bayborodov, Ryurik Sobolev, and Vsevolod Petrov of the Otdel plazmenny*kh issledovaniy Instituta atomnoy energii im. Kurchatova Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR (Plasma Research Department, Atomic Energy Institute of the State Committee on the Utilization of Atomic Energy, SSSR) built the improved PR-5 mirror machine and succeeded in containing plasma, for 10 msec at 40 x 106 K and a density of 1010 particles/cm3 The Pr-5 has a complex magnetic field configuration characterized by increasing field intensity in both radial and axial directions; this is achieved by a system of axial conductors in addition to the usual helical windings. Plasma is injected

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	into a vacuum chamber several tens of liters in volume and is then heated. The complex field machines were conceived several years ago by Artsimovich, Boris Kadomtsev, Corresponding Member AN SSSR, and others.								
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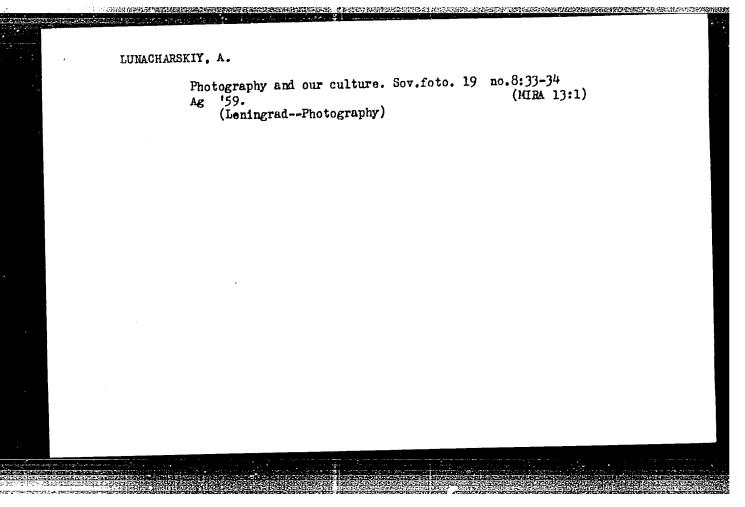
(MIRA 17:3)

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Mechanism of the development of staphylogoccal daug resistance.

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l. Kafedra mikrobiologii (zav. \cdots prof. M.N. Lebedeva) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M Sechenova.



AUTHOR: Lunacharskiy, N.N.

"Effect of EMF with Alternating Parameters on a Self-Oscillating System,"
A-U Sci Conf dedicated to "Radio Day," Moscow, 20-25 May 1957.

PERIDOICAL: Radiotekhnika i Electronika, Vol. 2, No. 9, pp. 1221-1224, 1957, (USSR)